

Panasonic NV-8100 Series Video Tape Recorders

Panasonic NV-8100

Panasonic NV-8100D

Panasonic NV-8100AD

Both NV-8100 and 8100D are black and white fully transistorized ¾" decks, using 2 video heads. Neither was color adaptable. The NV 8100AD is an electronic editor, while the NV 8100 is not. The NV 8100AD had a remote control feature and was adaptable to auto rewind. It also had an auto gain control. Both decks had one audio channel with capability of audio dubbing. Neither did slow motion. Both accepted standard TV cameras, and allowed the operator to duplicate from machine to machine.

NV-8100



This was a pre-EIAJ ¾" VTR introduced about 1968. It ran at 12 IPS giving a 40 minute recording time per 7 inch reel with 2400 feet of tape. It has a push button video head cleaner, visible at the top of the head drum.

From the Product Literature -

The Panasonic NV-8100 is a fine Solid State video tape recorder designed as the fundamental component of a basic VTR system. Utilizing Panasonic's reliable twin motor system with exclusive 2 rotary Hot Pressed Ferrite heads, the NV 8100 records and plays back with outstanding fidelity and clear picture detail. Among the fine performance features of the NV 8100 are audio dubbing, to give you editing control over sound after picture has been recorded, and adaptability to playback through a conventional television received by means of the optional RF adapter. Instant still framing is possible. Easy-to-operate controls make the Panasonic NV 8100 VTR among the industry's most useful video recorders, and the NV 8100's sturdy cabinet and strong lid insure long and trouble-free performance. Tapes from the NV 8100 are fully interchangeable with all Panasonic NV 8100 series video tape recorders.

Power: AC 117 V, 60 Hz

Power Consumption: Approx. 160 Watts

Video Recording System: 2 Rotary Heads, USA Standards (525 lines, 60 fields)

Video Modulation System: Both sideband FM

Video Modulation System: 12 i.p.s.

Tape Speed 7 inches

Reel Size Ⅱ"

Heads:

Video: 2 Rotary Heads

Audio/Control: 1 Stationary

Erase Head: 1 Full Track

Erase Head: for Audio Dubbing

Recording Time: 40 minutes with NV-P71 (2400 ft)

Horizontal Resolution (on Monoscope Test Pattern): More than 260 lines

Active Elements: Fully Transistorized

Frequency Response:

Video: Greater than 2 MHz

Audio: 80 ÷ 10,000 Hz

Signal to Noise Ratio:

Video: Better than 40db

Audio: Better than 40db

Input Level:

Video: Min. 0.5 Vp-p

Audio: MIC 0.001 V (-60db)

AUX 0.1 V (-20db)

Input Impedance:

Video: 75 ohm unbalanced

Audio: MIC 20K ohm unbalanced

AUX 1M ohm unbalanced

Output Level:

Video: 1.0 Vp-p (0 db)

Audio: 0.1 V (-20 db)

Output Impedance:

Video: 75 ohm unbalanced
Audio: 600 ohm unbalanced

Dimensions: 17 1/2" (W) x 10 5/8" (H) x 17" (D)

Weight: 53 pounds

Standard Accessories:

7" empty reel (1 pc)

AC Cord (7ft) (1 pc)

VTR/TV connection cable (5 ft) (1 pc)

Video Splicing Tape (1 pc).